



# IEEE Cluster 2010

IEEE International Conference on Cluster Computing 2010

20-24 September 2010 • Heraklion, Crete, Greece

## CALL FOR PAPERS

Cluster 2010 welcomes original unpublished paper and poster submissions from researchers in academia, industry, and government, describing innovative research in the field of cluster and high-performance computing. Topics of interest include, but are not limited to:

- **Applications and Algorithms**

Scalable algorithms  
High-performance applications  
Application design and implementation methods  
Application-specific systems  
Real-world applications and case studies

- **Communication and Memory**

Interconnect and memory architectures  
Communication protocols, libraries, and interfaces  
Network interfaces and communication support

- **Storage and Reliability**

Storage architectures  
File systems and I/O libraries  
System reliability and availability  
Checkpointing and recovery  
Cost and performance implications of reliability

- **Tools, Systems Software, and Middleware**

Middleware and cluster-wide software  
Benchmarking and profiling tools  
Resource management and load balancing  
Modeling and simulation methodology  
Performance analysis, prediction, and evaluation  
Virtualization and cloud support  
Visualization

## Paper Submission Guidelines

Paper submissions should demonstrate current research in any area of interest to Cluster 2010. All submissions will be judged based on their correctness, originality, technical strength, significance, presentation, and relevance to the conference attendees. Submissions must represent original unpublished research that is not currently under review for any other conference or journal. Submitted papers must not exceed 10 letter-size (8.5 x 11 inches) pages including figures, tables, and references using the IEEE format for conference proceedings. For more information and submission templates, please see [www.cluster2010.org](http://www.cluster2010.org).

## CALL FOR WORKSHOPS, TUTORIALS, POSTERS

Proposals are solicited for workshops and tutorials to be held in conjunction with the main conference. Proposals should be submitted to the Workshops and Tutorials Chairs. Additional details and submission guidelines are available at [www.cluster2010.org](http://www.cluster2010.org). Cluster 2010 will also have a poster session for early work. Poster submission guidelines and instructions for poster setup are available at [www.cluster2010.org](http://www.cluster2010.org).

## IMPORTANT DATES

Abstract deadline: 8 March 2010

Paper deadline: 15 March 2010

Author notification: 15 June 2010

Camera-ready deadline: 15 July 2010

Workshop proposal submission deadline: 31 Dec. 2009

Workshop notification: 31 January 2010

Tutorial proposal submission deadline: 31 Dec. 2009

Tutorial notification: 31 January 2010

Poster submission deadline: 15 July 2010

Poster notification deadline: 29 July 2010

## CONFERENCE COMMITTEES

### General Chair

Dimitrios Nikolopoulos, *FORTH-ICS & University of Crete, GR*

### Program co-Chairs

Angelos Bilas, *FORTH-ICS & University of Crete, GR*

Ricardo Bianchini, *Rutgers University, USA*

### Program Vice Chairs

Frank Dehne, *Carleton University, Canada*

Frank Muller, *North Carolina State University, USA*

Dhabaleswar K. (DK) Panda, *Ohio State University, USA*

Anand Sivasubramaniam, *Penn State University, USA*

### Poster Chair

Vijay Pai, *Purdue University, USA*

### Workshops and Tutorials co-Chairs

Michael Gerndt, *Technical University of Munich, DE*

Martin Schulz, *Lawrence Livermore National Laboratory, USA*

### Proceedings Chair

Xiaosong Ma, *North Carolina State University, USA*

### Publicity co-Chairs

Jose E. Moreira, *IBM T.J. Watson Research Center, USA*

Satoshi Matsuoka, *Tokyo Institute of Technology, JP*

Scott Pakin, *Los Alamos National Laboratory, USA*

Toni Cortes, *Univ. Politecnica de Catalunya and BSC, ES*

### Finance Chair

Timothy Mark Pinkston, *Univ. of Southern California, USA*

### Sponsor and Exhibitors co-Chairs

Rosa M. Badia, *Barcelona Supercomputing Center-CSIC, ES*

Ali R. Butt, *Virginia Tech, USA*

### Local Arrangements Chair

Ioannis Askoxylakis, *FORTH-ICS, GR*

